

Project Location



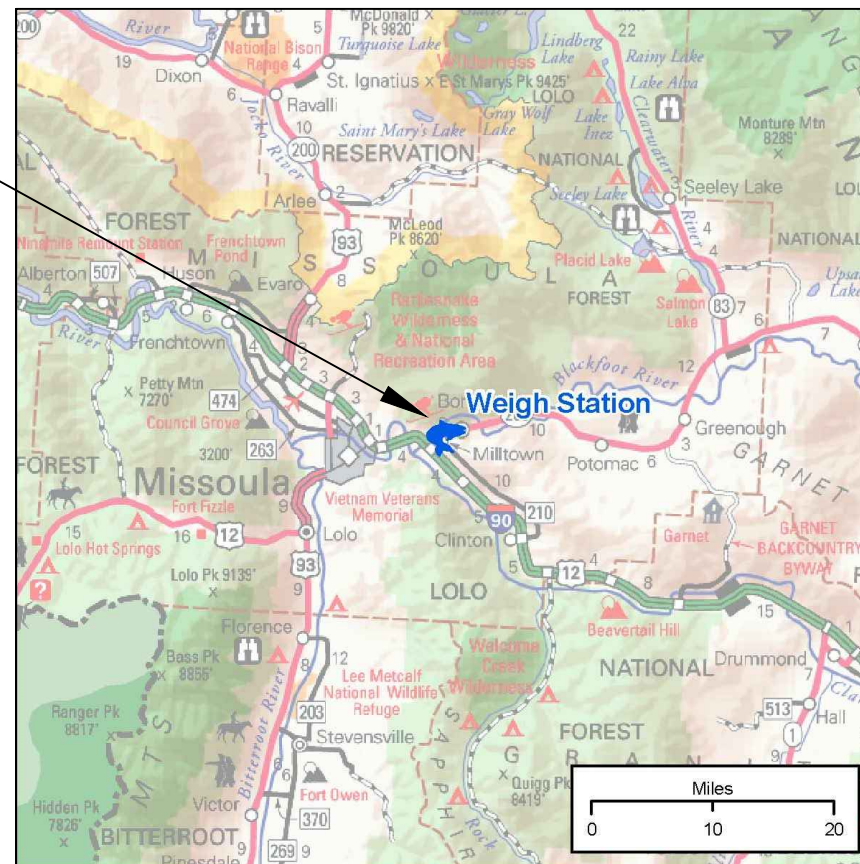
Montana Fish, Wildlife & Parks

WEIGH STATION Fishing Access Site Site Improvements FWP PROJECT #7113705

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2. Site Plan
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11. FAS Latrine Details

Montana Fish, Wildlife & Parks
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[fwp.mt.gov/Doing Business/Design&Construction](http://fwp.mt.gov/Doing%20Business/Design&Construction)



M. McNearney	11/2012				
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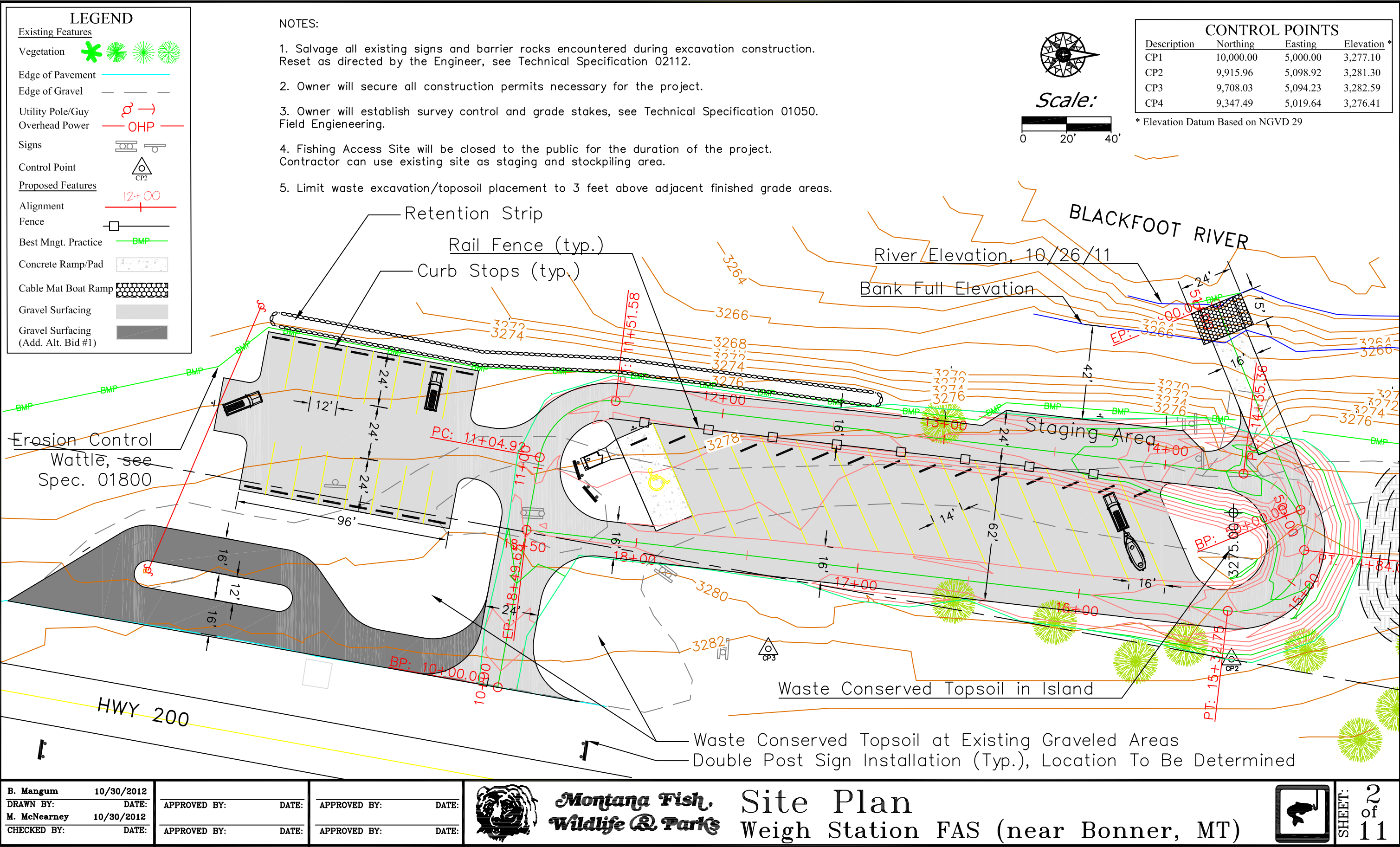


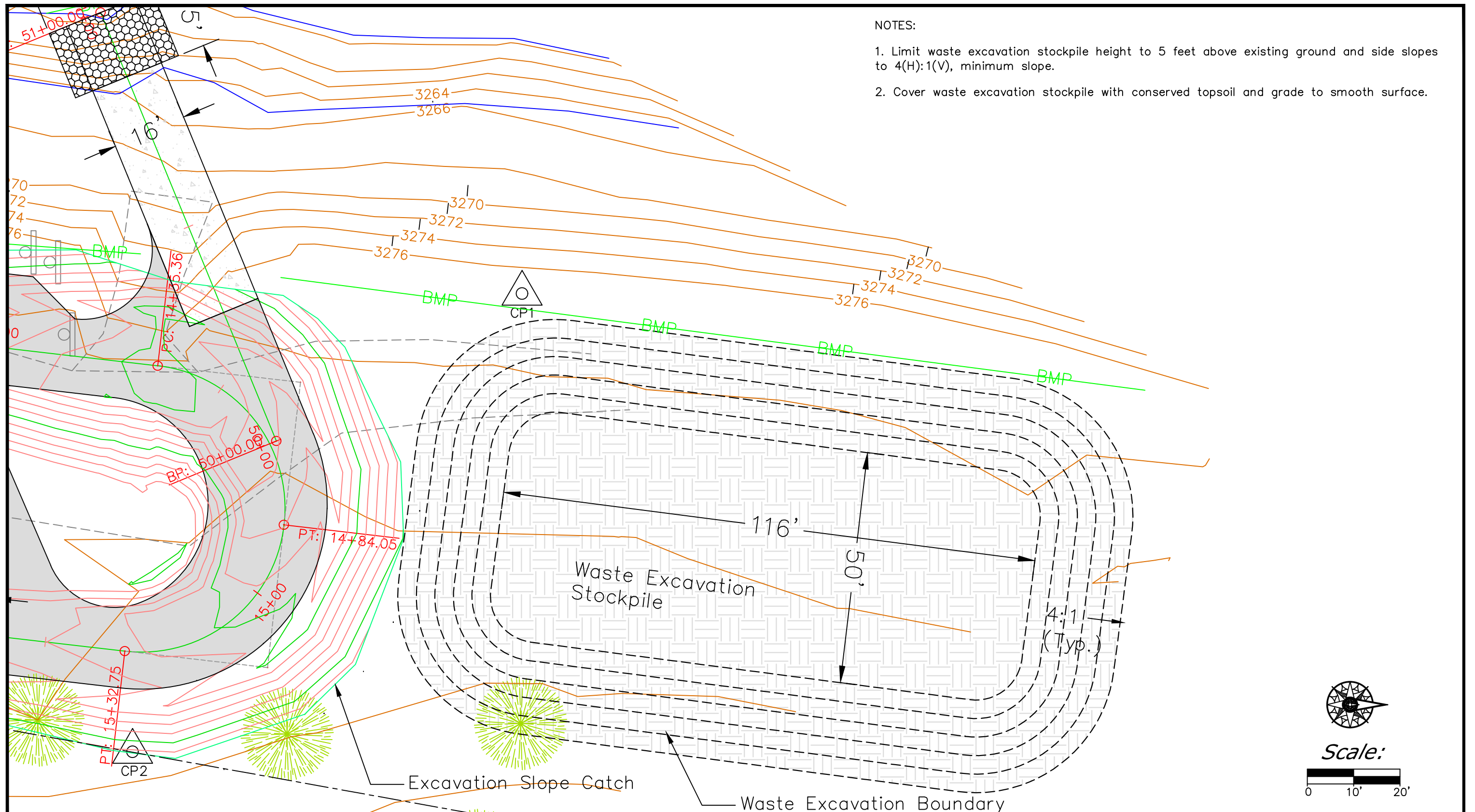
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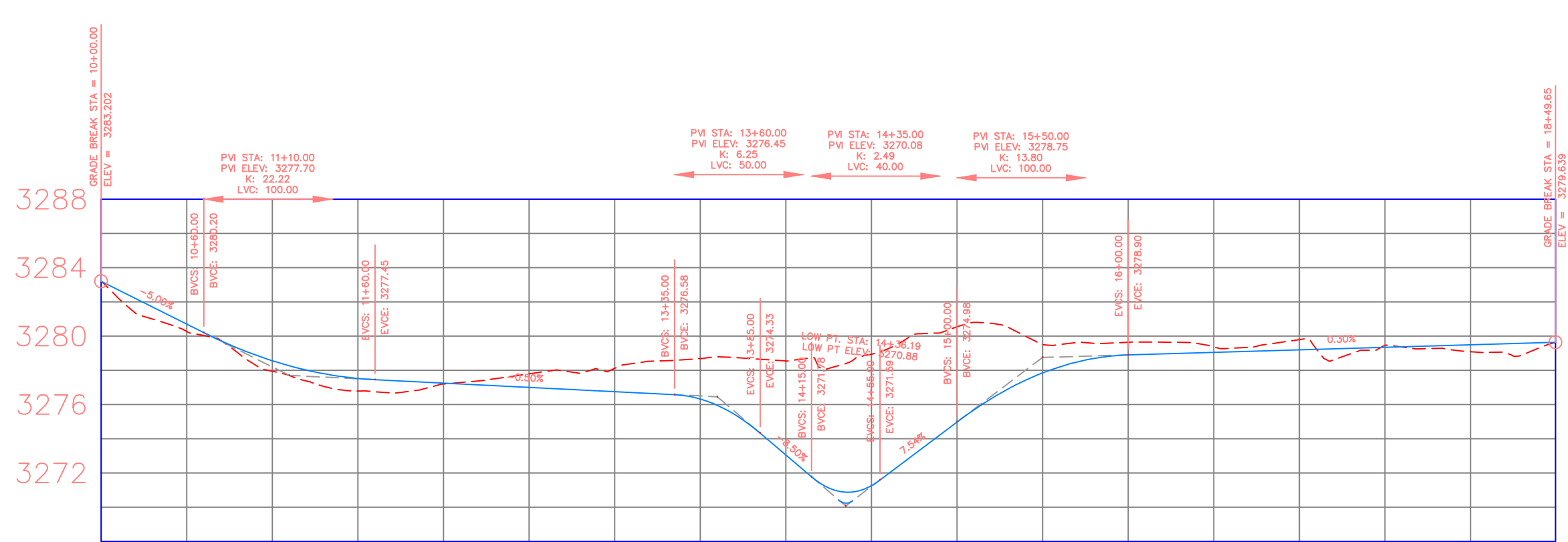
Title Sheet
Weigh Station FAS (near Bonner, MT)



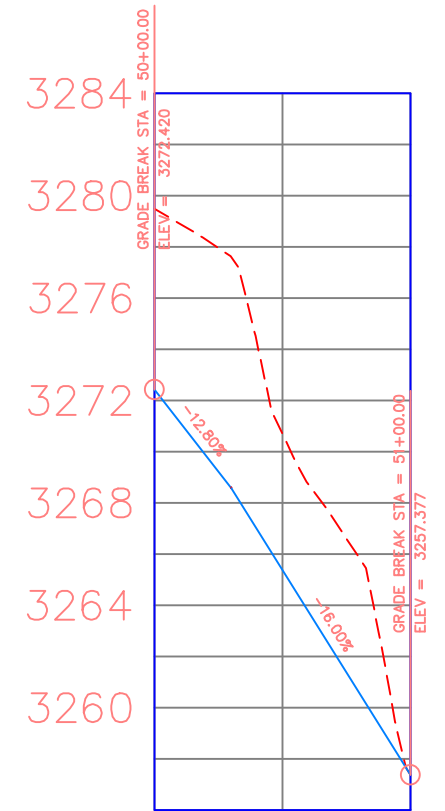
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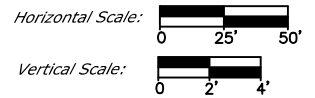
3277.95	3278.562																		
11+00	12+00	13+00	14+00	15+00	16+00	17+00	18+00												

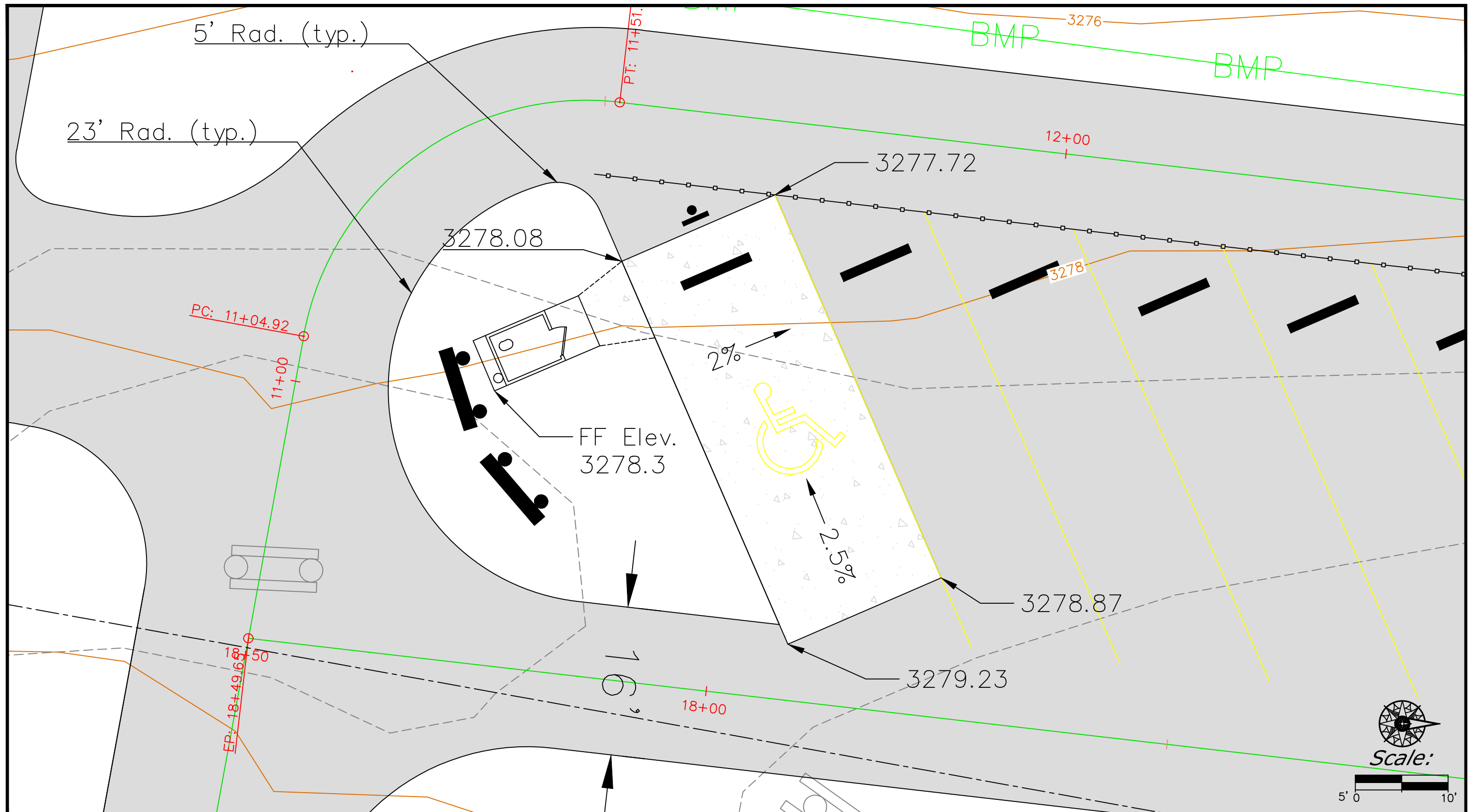


PARKING AREA PROFILE



BOAT RAMP PROFILE





Additive Alt. Bid #1

3275.43

BMP

3276.30

5' Rad. (Typ.)

24' Rad.

24'

12'

5%

1%

5' Rad.

24'

96'

22' Rad. (Typ.)

25' Rad.

24'

16'

12'

16'

5%

5' Rad. (Typ.)

3279.03

5' Rad. (Typ.)

PC: 11+04.92

11+00

15' Rad.

16'

18+00

EP: 18+49.58

BP: 10+00.00

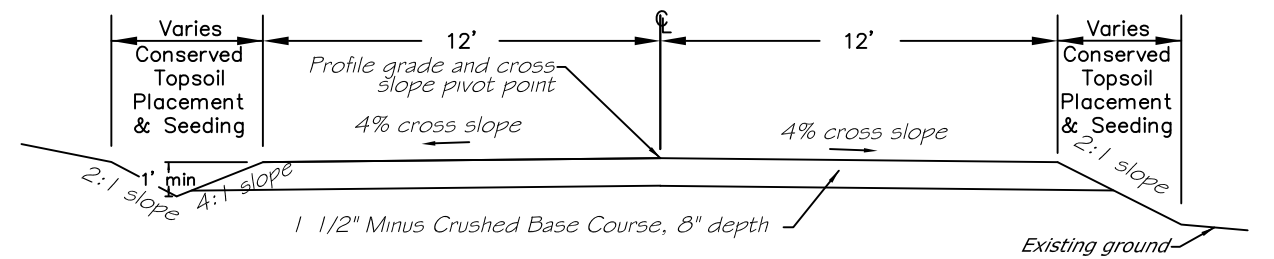
10+00

25' Rad.

Administrative Site Development
(Additive Alt. Bid #1)

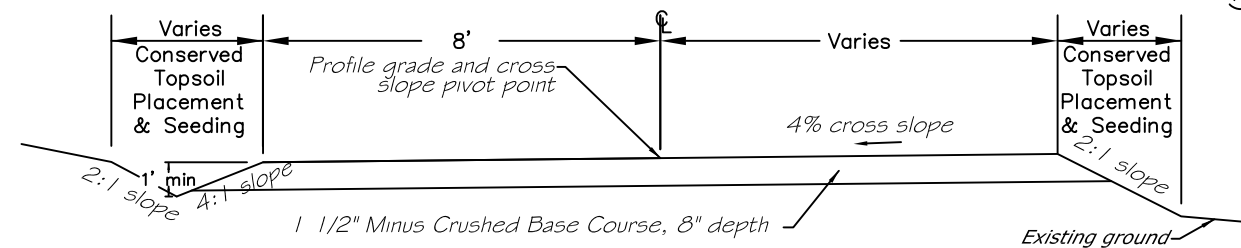
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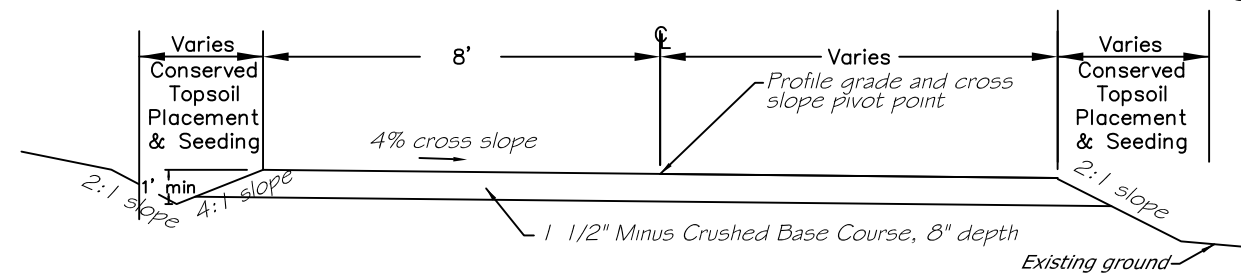
TYPICAL SECTION NO. 1

10+00 to 11+00
(Not to Scale)



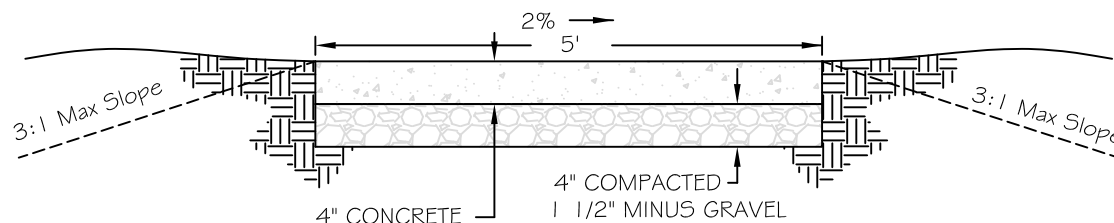
TYPICAL SECTION NO. 2

11+00 to 14+50
14+50 to 15+00 Trans. to Typical No. 3
(Not to Scale)



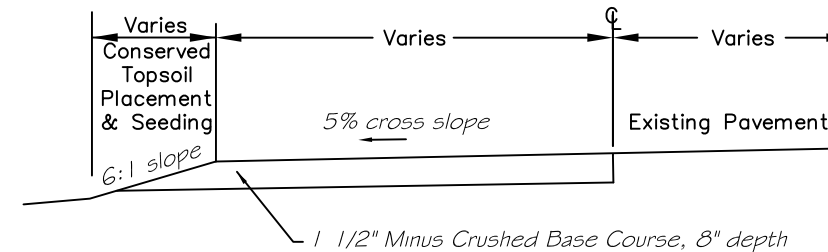
TYPICAL SECTION NO. 3

15+00 to 18+49.65
(Not to Scale)



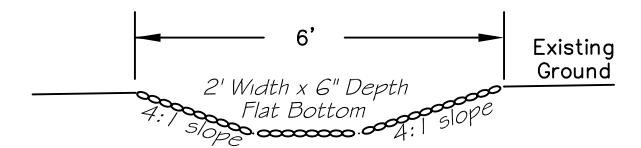
SIDEWALK SECTION

(Not to Scale)



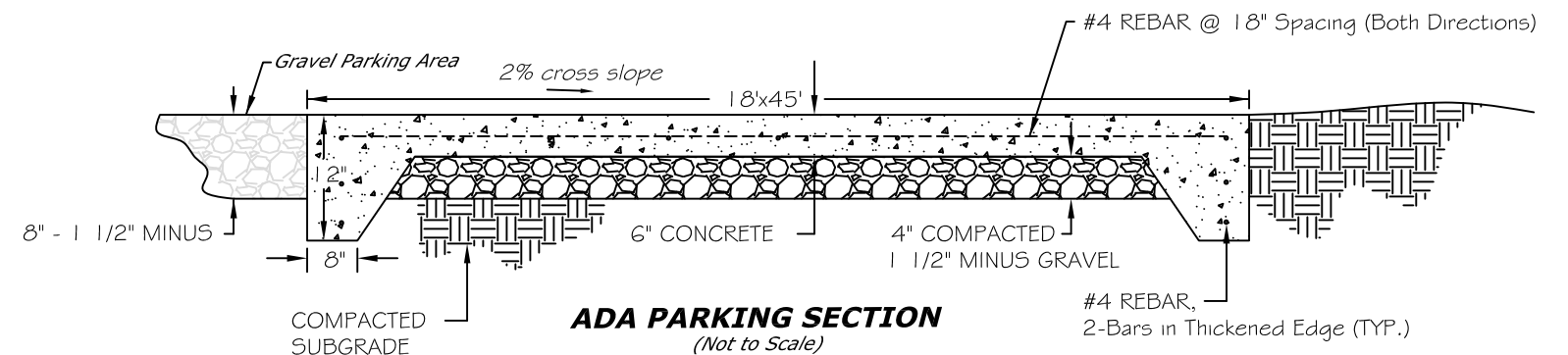
ADMINISTRATIVE SITE TYPICAL SECTION

(Not to Scale)



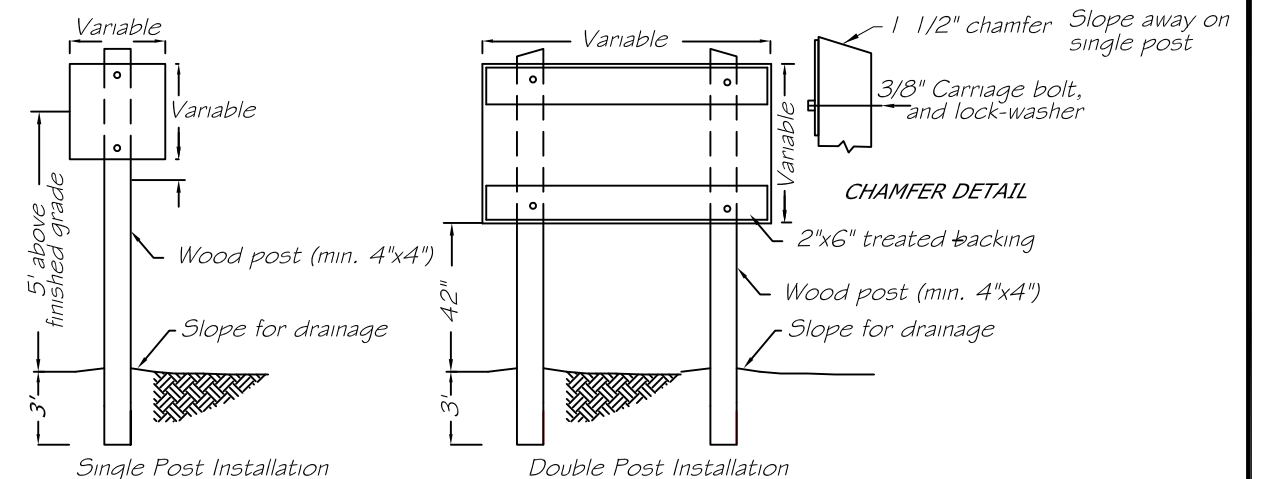
RETENTION STRIP

(Not to Scale)



ADA PARKING SECTION

(Not to Scale)



SIGN POST MOUNTING DETAIL

(Not to Scale)

NOTES:

1. Use pressure treated timbers for all sign posts. Need break-away holes (or device) for larger posts.
2. Coat all posts with preservative for all drilled holes and cut surfaces.
3. Use cadmium plated or galvanized steel for all bolts, nuts & washers.
4. Place bolts to not interfere with sign lettering. Paint bolt heads to match sign.
5. Center single post panels to post, overhang panels 3" beyond posts for double post installations. Extend all posts 3" above sign panels.
6. See break-away detail for posts larger than 4 inches in diameter.

M. McNearney 7/2012
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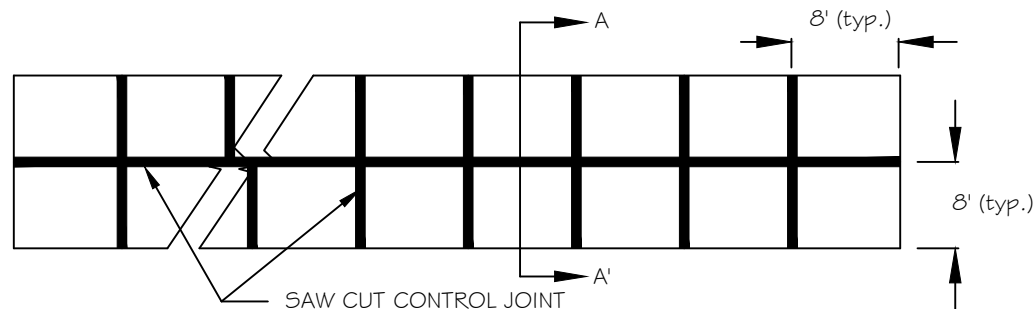
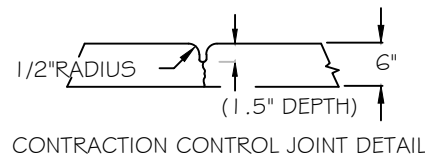


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Misc. Details
Weigh Station FAS (near Bonner, MT)

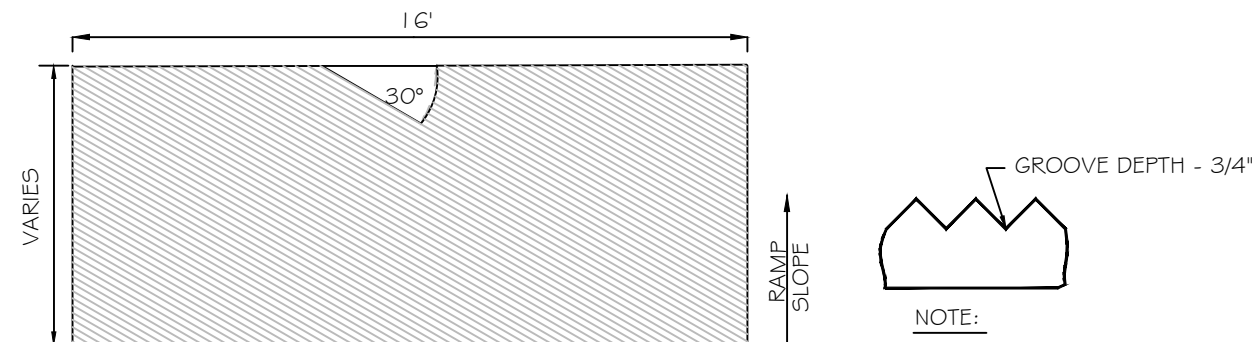


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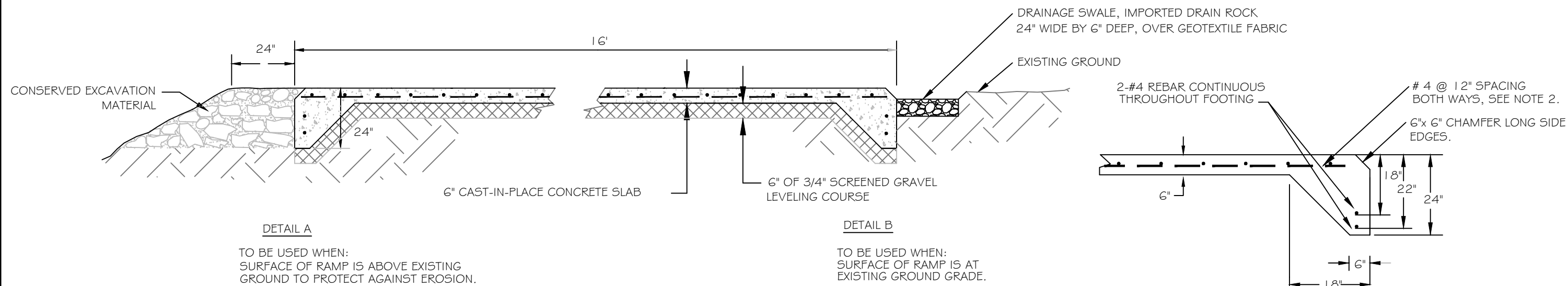


- NOTE:**
1. CONCRETE FOR NEW RAMP IS A 3/4" MINUS; 6-1/2 BAG MIX WITH A MIN 28 DAY STRENGTH OF 4000 PSI, REINFORCED WITH # 4 BARS @ 12" SPACING BOTH DIRECTIONS.
 2. SCREED CONCRETE FOLLOWED BY GROOVING THE SURFACE.
 3. SAW CUT CONTRACTION JOINTS AFTER RAMP IS GROOVED.

SLAB CONTROL JOINT DETAIL
PLAN VIEW



GROOVED SURFACE PLAN
PLAN VIEW



CAST-IN-PLACE CONCRETE
SECTION A-A'

THICKENED EDGE DETAIL
FOR CAST IN PLACE RAMP

- NOTES:**
1. CONTINUE THICKENED EDGE FOOTING AROUND ENTIRE PERIMETER OF CAST-IN-PLACE CONCRETE.
 2. EXTEND AND EXPOXY #4 BARS MIN 20" (12" O.C.) IN EXISTING CONCRETE CONNECTIONS. PROVIDE EXPANSION JOINT MATERIAL ALONG COLD JOINT CONNECTIONS.
 3. NO CHAMFER ALONG SIDEWALK/BULKHEAD/EXISTING CONCRETE CONNECTIONS.
 4. PROVIDE 2 1/2" CLEAR COVER FOR ALL REBAR REINFORCEMENT.

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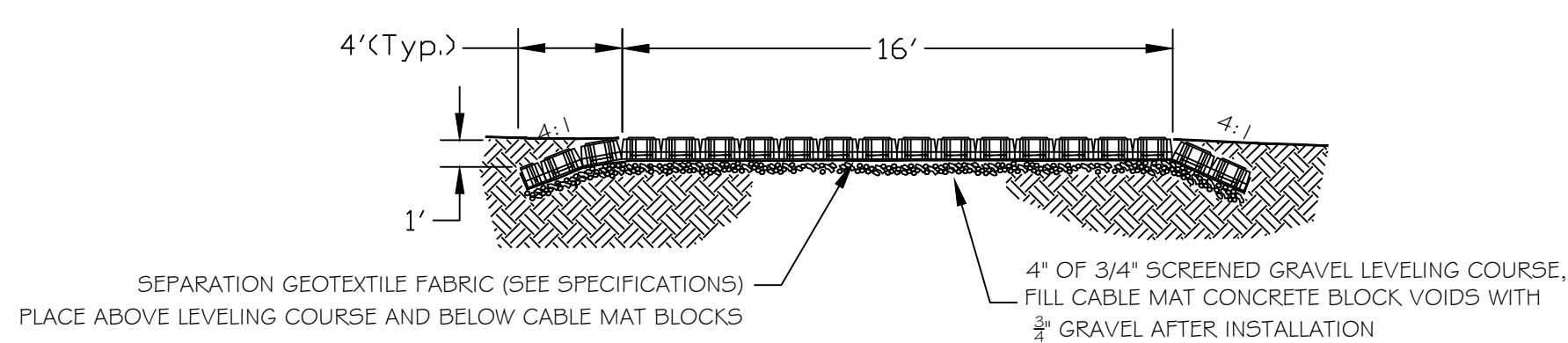


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Boat Ramp Details
Weigh Station FAS (near Bonner, MT)



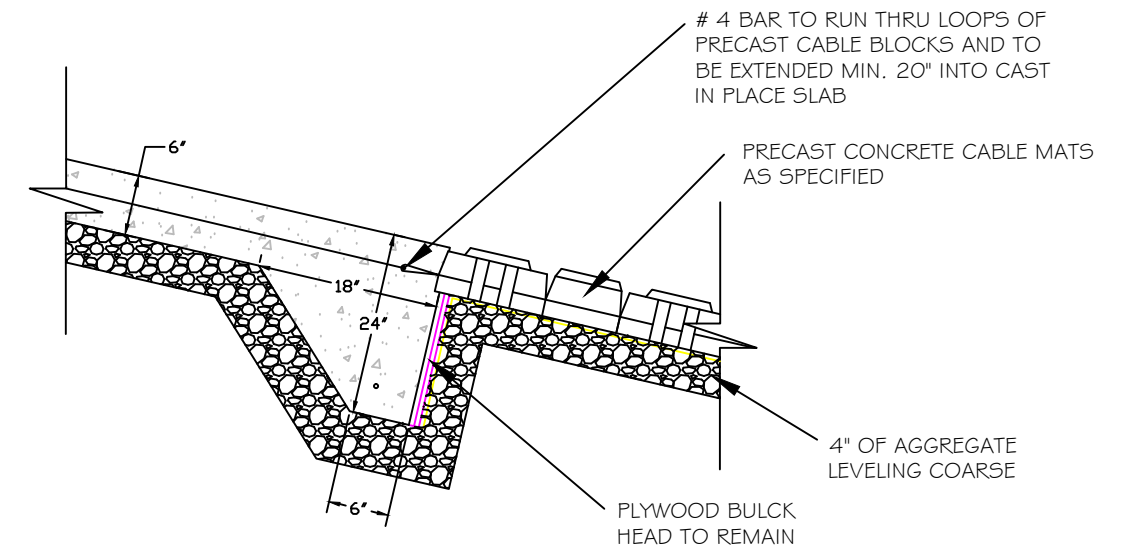
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CABLE MAT RAMP DETAIL

SECTION VIEW

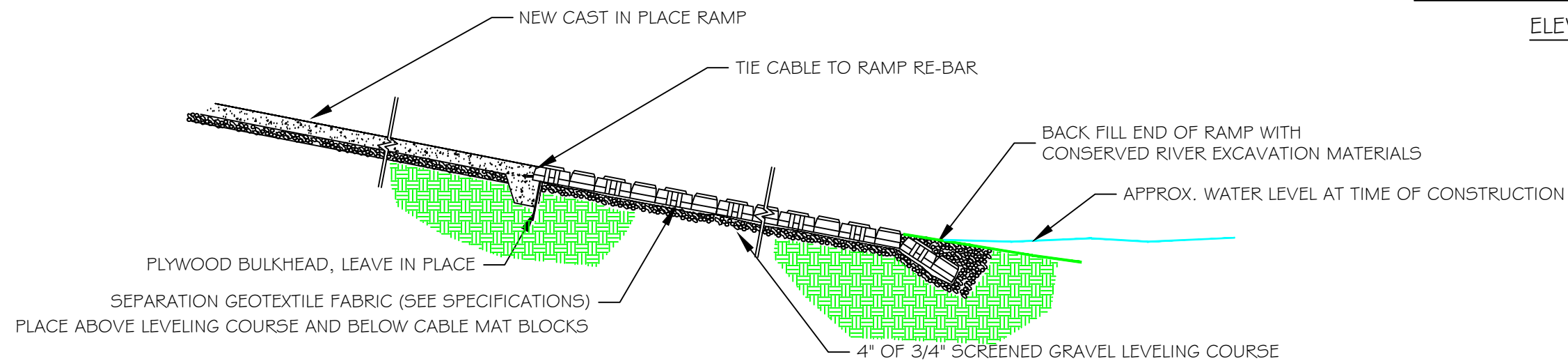
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CABLE CONNECTION DETAIL

ELEVATION VIEW

(Not to Scale)



CABLE MAT RAMP DETAIL

ELEVATION VIEW

(Not to Scale)

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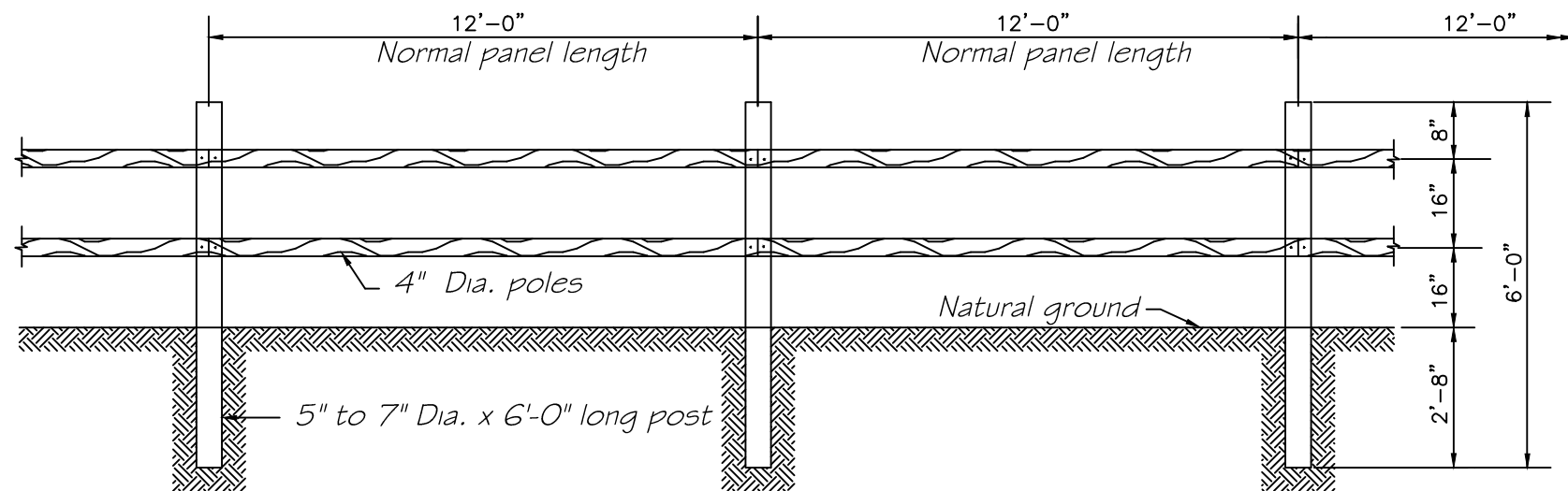


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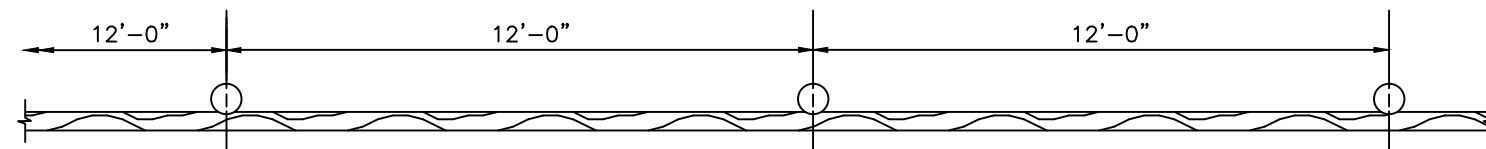
Boat Ramp Details
Weigh Station FAS (near Bonner, MT)



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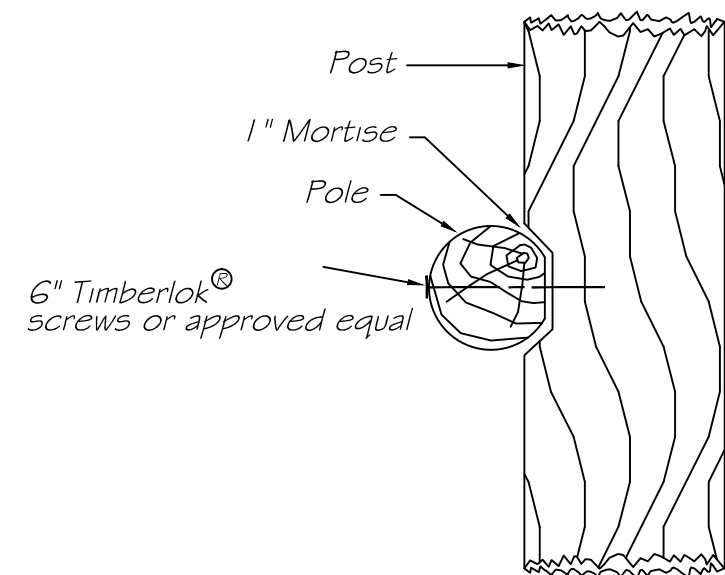
ELEVATION



PLAN

POLE FENCE DETAIL

(Not to Scale)



POST AND POLE CONNECTION

(Not to Scale)

NOTES:

1. Bevel pole @ post to achieve 3" thickness.
2. Post and poles to be fully treated, see Section 02820.

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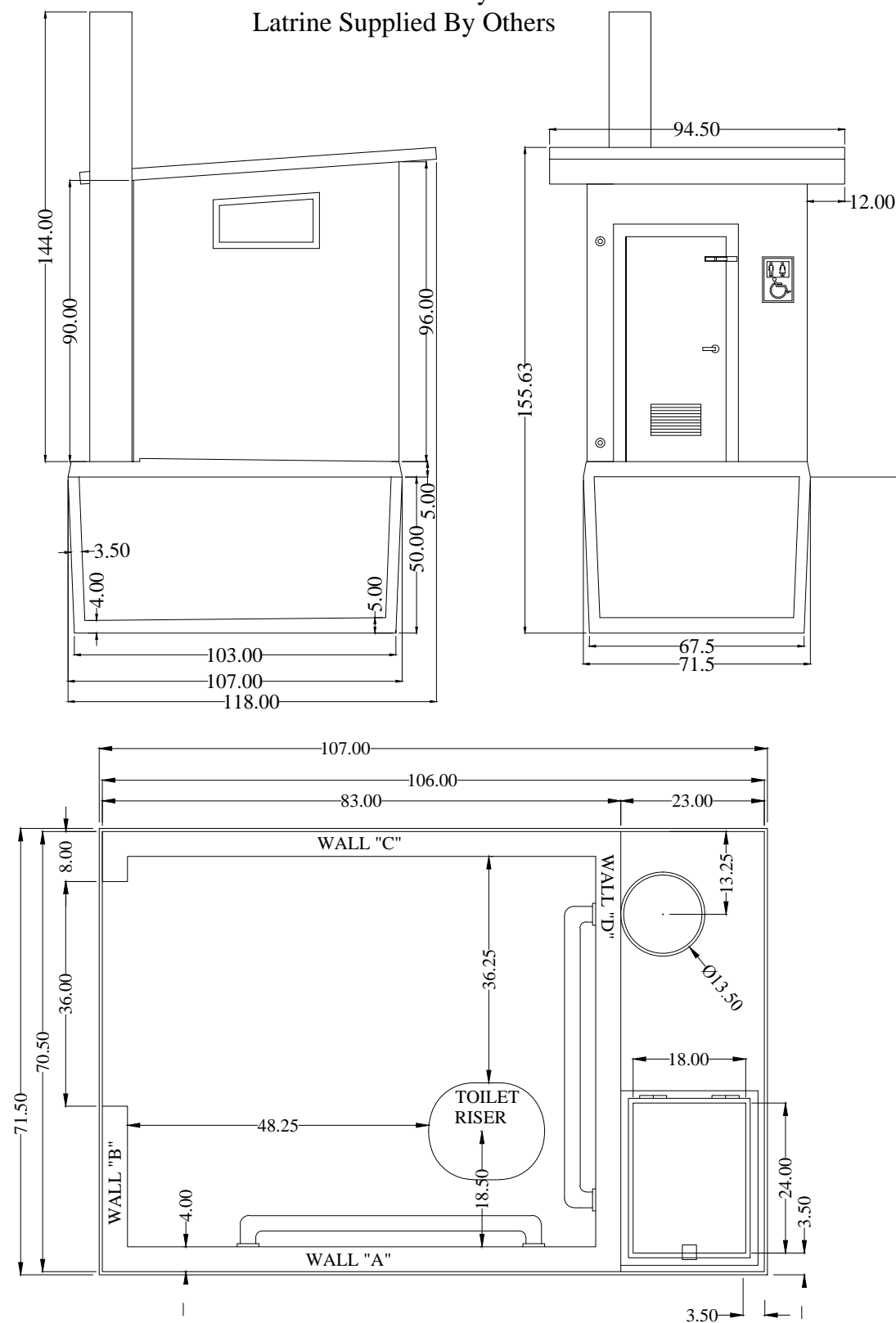
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Wooden Rail Fence Details
Weigh Station FAS (near Bonner, MT)



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For Information Only
Latrine Supplied By Others



GENERAL

All dimensions are in inches, unless otherwise noted.

INSTALLATION

General Installation involves excavation, leveling bottom of hole with drain aggregate, installing latrine, backfilling around latrine and landscaping.

EXCAVATION

- A. Excavate subsoil to a point 12 inches deeper than required for latrine installation.
 - 1. Depth of excavation is 50 inches for the precast latrines manufactured by Flathead Concrete.
 - 2. Finish floor elevation shall be a minimum of 4-6 inches above natural grade measured at the front entrance.
- B. Minimize over excavation. Stockpile excavated material for later backfilling and landscaping.
- C. Compact bottom of hole with three passes of whacker or skid plate compaction device.

LEVELING

- A. Use a well-graded gravel and place enough in bottom of hole such that when compacted, it will be 12 inches deep.
- B. Compact leveling material with three passes of compaction device.
- C. Level base for installation of latrine.

LATRINE INSTALLATION

- A. The precast latrine will be set by the supplier.
- B. Insure that latrine sits level and plumb when done installing.

BACKFILLING

- A. Place a foot of well-graded gravel around base of vault and compact.
- B. Place in successive 8 inch layers material previously excavated from hole and compact.
 - 1. Remove rocks larger than 6 inches in diameter from the fill.
 - 2. Remove branches, roots and other or organic debris in fill.

LANDSCAPING

- A. Slope grade away from latrine.
- B. Blend fill slope into surrounding terrain.
- C. Remove surplus fill material.
- D. Remove soil to a depth of 2 inches beneath location for entrance slab and compact.
- E. Place two inches of pea gravel for concrete entrance slab bedding, level and compact.

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Latrine Details
Weigh Station FAS (near Bonner, MT)



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